

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)**Search Results -**

| Term | Documents |
|--|-----------|
| MOLYNEAUX.USPT. | 153 |
| MOLYNEAUXES | 0 |
| MEHDIZADEH.USPT. | 151 |
| MEHDIZADEHS | 0 |
| (1 AND ((MOLYNEAUX.INV.) OR (MEHDIZADEH.INV.))).USPT. | 7 |

Database:

[US Patents Full-Text Database](#)
[US Pre-Grant Publication Full-Text Database](#)
[JPO Abstracts Database](#)
[EPO Abstracts Database](#)
[Derwent World Patents Index](#)
[IBM Technical Disclosure Bulletins](#)

Refine Search:
11 and (Molyneaux.inv. or
Mehdizadeh.inv.)
[Clear](#)**Search History****Today's Date: 11/30/2001**

| <u>DB Name</u> | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> |
|----------------|--|------------------|--------------------|
| USPT | 11 and (Molyneaux.inv. or Mehdizadeh.inv.) | 7 | L4 |
| USPT | 11 and (Molyneaux or Mehdizadeh) | 31 | L3 |
| USPT | 11 and (switch\$4) | 14 | L2 |
| USPT | (5394087 or 4918388) | 33 | L1 |

WEST[Generate Collection](#)**Search Results - Record(s) 1 through 14 of 14 returned.**☐ 1. Document ID: US 6137291 A

L2: Entry 1 of 14

File: USPT

Oct 24, 2000

US-PAT-NO: 6137291

DOCUMENT-IDENTIFIER: US 6137291 A

TITLE: Telescoping coil array for magnetic resonance imaging of extremities

| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|
|------|-------|----------|-------|--------|----------------|------|-----------|

| KWIC | Draw Desc | Image |
|------|-----------|-------|
|------|-----------|-------|

☐ 2. Document ID: US 6023166 A

L2: Entry 2 of 14

File: USPT

Feb 8, 2000

US-PAT-NO: 6023166

DOCUMENT-IDENTIFIER: US 6023166 A

TITLE: MRI antenna

| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|
|------|-------|----------|-------|--------|----------------|------|-----------|

| KWIC | Draw Desc | Image |
|------|-----------|-------|
|------|-----------|-------|

☐ 3. Document ID: US 5898306 A

L2: Entry 3 of 14

File: USPT

Apr 27, 1999

US-PAT-NO: 5898306

DOCUMENT-IDENTIFIER: US 5898306 A

TITLE: Single circuit ladder resonator quadrature surface RF coil

| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|
|------|-------|----------|-------|--------|----------------|------|-----------|

| KWIC | Draw Desc | Image |
|------|-----------|-------|
|------|-----------|-------|

☐ 4. Document ID: US 5864234 A

L2: Entry 4 of 14

File: USPT

Jan 26, 1999

US-PAT-NO: 5864234
DOCUMENT-IDENTIFIER: US 5864234 A
TITLE: Image synthesizing method for forming a composite image
from basic images

| | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

☐ 5. Document ID: US 5610520 A

L2: Entry 5 of 14

File: USPT

Mar 11, 1997

US-PAT-NO: 5610520
DOCUMENT-IDENTIFIER: US 5610520 A
TITLE: Automatic orthogonality adjustment device for a
quadrature surface coil for magnetic resonance imaging or
spectroscopy

| | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

☐ 6. Document ID: US 5594339 A

L2: Entry 6 of 14

File: USPT

Jan 14, 1997

US-PAT-NO: 5594339
DOCUMENT-IDENTIFIER: US 5594339 A
TITLE: Flexible nuclear magnetic resonance receiver coils and
systems

| | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

☐ 7. Document ID: US 5592088 A

L2: Entry 7 of 14

File: USPT

Jan 7, 1997

US-PAT-NO: 5592088
DOCUMENT-IDENTIFIER: US 5592088 A
TITLE: Multiple-coil adopting a quadrature detection method
applied thereto and a signal processing circuit employing the
same in an MRI apparatus in a vertical magnetic system

| | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

☐ 8. Document ID: US 5492122 A

L2: Entry 8 of 14

File: USPT

Feb 20, 1996

US-PAT-NO: 5492122

DOCUMENT-IDENTIFIER: US 5492122 A

TITLE: Magnetic resonance guided hyperthermia

| | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|

| | | |
|------|-----------|-------|
| KVMC | Draw Desc | Image |
|------|-----------|-------|

☐ 9. Document ID: US 5491415 A

L2: Entry 9 of 14

File: USPT

Feb 13, 1996

US-PAT-NO: 5491415

DOCUMENT-IDENTIFIER: US 5491415 A

TITLE: Magnetic resonance scanner with improved packaging for circuitry within the magnetic field

| | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|

| | | |
|------|-----------|-------|
| KVMC | Draw Desc | Image |
|------|-----------|-------|

☐ 10. Document ID: US 5483159 A

L2: Entry 10 of 14

File: USPT

Jan 9, 1996

US-PAT-NO: 5483159

DOCUMENT-IDENTIFIER: US 5483159 A

TITLE: Quadrature coil system for use in a magnetic resonance apparatus

| | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|

| | | |
|------|-----------|-------|
| KVMC | Draw Desc | Image |
|------|-----------|-------|

☐ 11. Document ID: US 5296813 A

L2: Entry 11 of 14

File: USPT

Mar 22, 1994

US-PAT-NO: 5296813

DOCUMENT-IDENTIFIER: US 5296813 A

TITLE: Magnetic resonance scanner with improved packaging for circuitry within the magnetic field

| | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|

| | | |
|------|-----------|-------|
| KVMC | Draw Desc | Image |
|------|-----------|-------|

☐ 12. Document ID: US 5221902 A

L2: Entry 12 of 14

File: USPT

Jun 22, 1993

US-PAT-NO: 5221902
DOCUMENT-IDENTIFIER: US 5221902 A
TITLE: NMR neck coil with passive decoupling

| | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

☐ 13. Document ID: US 5075624 A

L2: Entry 13 of 14

File: USPT

Dec 24, 1991

US-PAT-NO: 5075624
DOCUMENT-IDENTIFIER: US 5075624 A
TITLE: Radio frequency quadrature coil construction for
magnetic resonance imaging (MRI) apparatus

| | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

☐ 14. Document ID: US 4918388 A

L2: Entry 14 of 14

File: USPT

Apr 17, 1990

US-PAT-NO: 4918388
DOCUMENT-IDENTIFIER: US 4918388 A
TITLE: Quadrature surface coils for magnetic resonance imaging

| | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

| |
|---------------------|
| Generate Collection |
|---------------------|

| Term | Documents |
|-----------------------------|-----------|
| SWITCH\$4 | 0 |
| SWITCH.USPT. | 460800 |
| SWITCHA.USPT. | 2 |
| SWITCHABE.USPT. | 2 |
| SWITCHABIY.USPT. | 1 |
| SWITCHABLE.USPT. | 16967 |
| SWITCHABLY.USPT. | 3008 |
| SWITCHADS.USPT. | 2 |
| SWITCHAING.USPT. | 1 |
| SWITCHALBY.USPT. | 1 |
| (L1 AND (SWITCH\$4)).USPT. | 14 |

There are more results than shown above. [Click here to view the entire set.](#)

Documents, starting with Document:

Display Format:

WEST**End of Result Set**☐ **Generate Collection**

L2: Entry 14 of 14

File: USPT

Apr 17, 1990

DOCUMENT-IDENTIFIER: US 4918388 A

TITLE: Quadrature surface coils for magnetic resonance imaging

DEPR:

With reference to FIG. 5, the phase shift and combining circuits 50, 52 receive signals from the matching and tuning circuits 80 associated with coil assemblies 30 and 32. Capacitors 90 and 92 and inductor 94 phase shift the received signal from circuit 40 by 90.degree. at the operating frequency. Analogously, capacitors 96 and 98 and inductor 100 cause a 90.degree. phase shift in the signal from circuit 42 at the operating frequency. Inductors 94 and 102 and capacitor 92 can combine the two signals into a first 50 ohm port 104. Analogously, inductors 100 and 102 and capacitor 96 can combine the signals into a second 50 ohm port 106. First and second switching or jumper lead assemblies 108 and 110 are selectively set to select whether the signal for circuit 40 or from circuit 42 is shifted by 90.degree.. This allows a choice of outputs depending on the direction of the main static magnetic field. Moreover, this arrangement enables two separate coil outputs to be provided for purposes of set up and measurement of isolation between the two coils and during the tuning of each coil.

CLPV:

a switching means for selectively switching one of the 90.degree. phase shift circuits between its associated coil and the combining means for connecting the other coil directly with the combining means.

WEST[Generate Collection](#)**Search Results - Record(s) 1 through 7 of 7 returned.**☐ 1. Document ID: US 5594339 A

L4: Entry 1 of 7 File: USPT Jan 14, 1997

US-PAT-NO: 5594339

DOCUMENT-IDENTIFIER: US 5594339 A

TITLE: Flexible nuclear magnetic resonance receiver coils and systems

DATE-ISSUED: January 14, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|-----------|-------|----------|---------|
| Henderson; Robert G. | Wickliffe | OH | | |
| Kristoff; James W. | Lyndhurst | OH | | |
| Molyneaux; David A. | Mentor | OH | | |

US-CL-CURRENT: 324/318

| | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|

☐ 2. Document ID: US 5578925 A

L4: Entry 2 of 7 File: USPT Nov 26, 1996

US-PAT-NO: 5578925

DOCUMENT-IDENTIFIER: US 5578925 A

TITLE: Vertical field quadrature phased array coil system

DATE-ISSUED: November 26, 1996

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|--------|-------|----------|---------|
| Molyneaux; David A. | Mentor | OH | | |
| Braum; William O. | Solon | OH | | |

US-CL-CURRENT: 324/318; 324/322

| | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|

☐ 3. Document ID: US 5510711 A

L4: Entry 3 of 7 File: USPT Apr 23, 1996

US-PAT-NO: 5510711

DOCUMENT-IDENTIFIER: US 5510711 A

TITLE: Digital combination and correction of quadrature magnetic resonance receiver coils

DATE-ISSUED: April 23, 1996

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|-----------|-------|----------|---------|
| Molyneaux; David A. | Willowick | OH | | |
| Liu; Haiying | Euclid | OH | | |

US-CL-CURRENT: 324/309; 324/307

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|

☐ 4. Document ID: US 5394087 A

L4: Entry 4 of 7 File: USPT Feb 28, 1995

US-PAT-NO: 5394087

DOCUMENT-IDENTIFIER: US 5394087 A

TITLE: Multiple quadrature surface coil system for simultaneous imaging in magnetic resonance systems

DATE-ISSUED: February 28, 1995

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|-----------|-------|----------|---------|
| Molyneaux; David A. | Willowick | OH | | |

US-CL-CURRENT: 324/318; 600/422

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|

☐ 5. Document ID: US 5144240 A

L4: Entry 5 of 7 File: USPT Sep 1, 1992

US-PAT-NO: 5144240

DOCUMENT-IDENTIFIER: US 5144240 A

TITLE: NMR spectroscopy and imaging coil

DATE-ISSUED: September 1, 1992

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|------------|-------|----------|---------|
| Mehdizadeh; Mehrdad | Wilmington | DE | | |
| Lampman; David A. | Lakewood | OH | | |
| Orlando; Paul T. | Mentor | OH | | |

US-CL-CURRENT: 324/318; 324/322

| | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

☐ 6. Document ID: US 5045792 A

L4: Entry 6 of 7

File: USPT

Sep 3, 1991

US-PAT-NO: 5045792

DOCUMENT-IDENTIFIER: US 5045792 A

TITLE: Split and non-circular magnetic resonance probes with optimum field uniformity

DATE-ISSUED: September 3, 1991

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|-----------------|-------|----------|---------|
| Mehdizadeh; Mahrdad | University Hts. | OH | | |

US-CL-CURRENT: 324/318

| | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

☐ 7. Document ID: US 4918388 A

L4: Entry 7 of 7

File: USPT

Apr 17, 1990

US-PAT-NO: 4918388

DOCUMENT-IDENTIFIER: US 4918388 A

TITLE: Quadrature surface coils for magnetic resonance imaging

DATE-ISSUED: April 17, 1990

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|------------------|-------|----------|---------|
| Mehdizadeh; Mehrdad | University Hts. | OH | | |
| Molyneaux; David A. | Willoughby Hills | OH | | |
| Holland; G. Neil | Chagrin Falls | OH | | |

US-CL-CURRENT: 324/322; 600/422

| | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

[Generate Collection](#)

| Term | Documents |
|---|-----------|
| MOLYNEAUX.USPT. | 153 |
| MOLYNEAUXES | 0 |
| MEHDIZADEH.USPT. | 151 |
| MEHDIZADEHS | 0 |
| (1 AND ((MOLYNEAUX.INV.) OR (MEHDIZADEH.INV.))).USPT. | 7 |

[Display](#)

50

Documents, starting with Document:

7

Display Format:[CIT](#)[Change Format](#)